SPECIAL DATA COLLECTION SYSTEM EVENT REPORT - WESTERN KAZAKH, 25 APRIL 1975

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Teledyne Geotech

Prepared for:

Advanced Research Projects Agency
Air Force Technical Applications Center

8 September 1975

SDCS-ER-75-5

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Western Kazakh, 25 April 1975

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September 1975

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Sponsored By
The Defense Advanced Research Projects Agency
Nuclear Monitoring Research Office
1400 Wilson Boulevard, Arlington, Virginia 22209
ARPA Order No. 2897

Monitored By
VELA Seismological Center
312 Montgomery Street, Alexandria, Virginia 22314

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER SDCS-ER-75-5	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) SPECIAL DATA COLLECTION SYSTEM (SDCS) Western Kazakh, 25 April 1975		5. TYPE OF REPORT & PERIOD COVERED Technical 6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Woolson, J. R., Solari, D. D., Reinbold, D. J., and Markle, R. J.		8. CONTRACT OR GRANT NUMBER(s) F08606-74-C-0013
9. PERFORMING ORGANIZATION NAME AND ADDRESS Alexandria Laboratories 314 Montgomery Street Alexandria, Virginia 22314		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS T/4703
11. CONTROLLING OFFICE NAME AND ADDRESS Defense Advanced Research Projects Agency Nuclear Monitoring Research Office 1400 Wilson Blvd.-Arlington, Virginia 22209		12. REPORT DATE 8 September 1975 13. NUMBER OF PAGES 15
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office) VELA Seismological Center 312 Montgomery Street Alexandria, Virginia 22314		15. SECURITY CLASS. (of this report) Unclassified 15a. DECLASSIFICATION DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SDCS Event Report No. 5

Western Kazakh, 25 April 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Latitude	Longitude	m_b	M_s
NORSAR*	05:00:11	49.0N	47.0E	4.7	N/A
LASA	04:59:59	45.8N	44.9E	4.6	

For one SDCS station combined with the arrays the average magnitude becomes

RKON, LASA & NORSAR	N/A	N/A	N/A	4.4

*The listed epicenter is that published in the weekly NORSAR Bulletin. The included NORSAR plot is the same event prior to rework. A somewhat different epicenter is listed on the plot. The plot corresponding to the published epicenter was not recoverable.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

All SDCS stations were operational for this event; however, only RK-ON recorded a short-period signal. All long-period systems were negative. A possible signal appears on CPSO SP, but instrumentation spiking precludes arrival time or amplitude determination. The time window presented by the CPSO SP data presentation is offset from the predicted arrival time for this event due to extreme tape system spiking immediately before and after the data set.

Long-period data from NORSAR, LASA, and ALPS were unrecoverable.

-/-

DATA SUMMARY

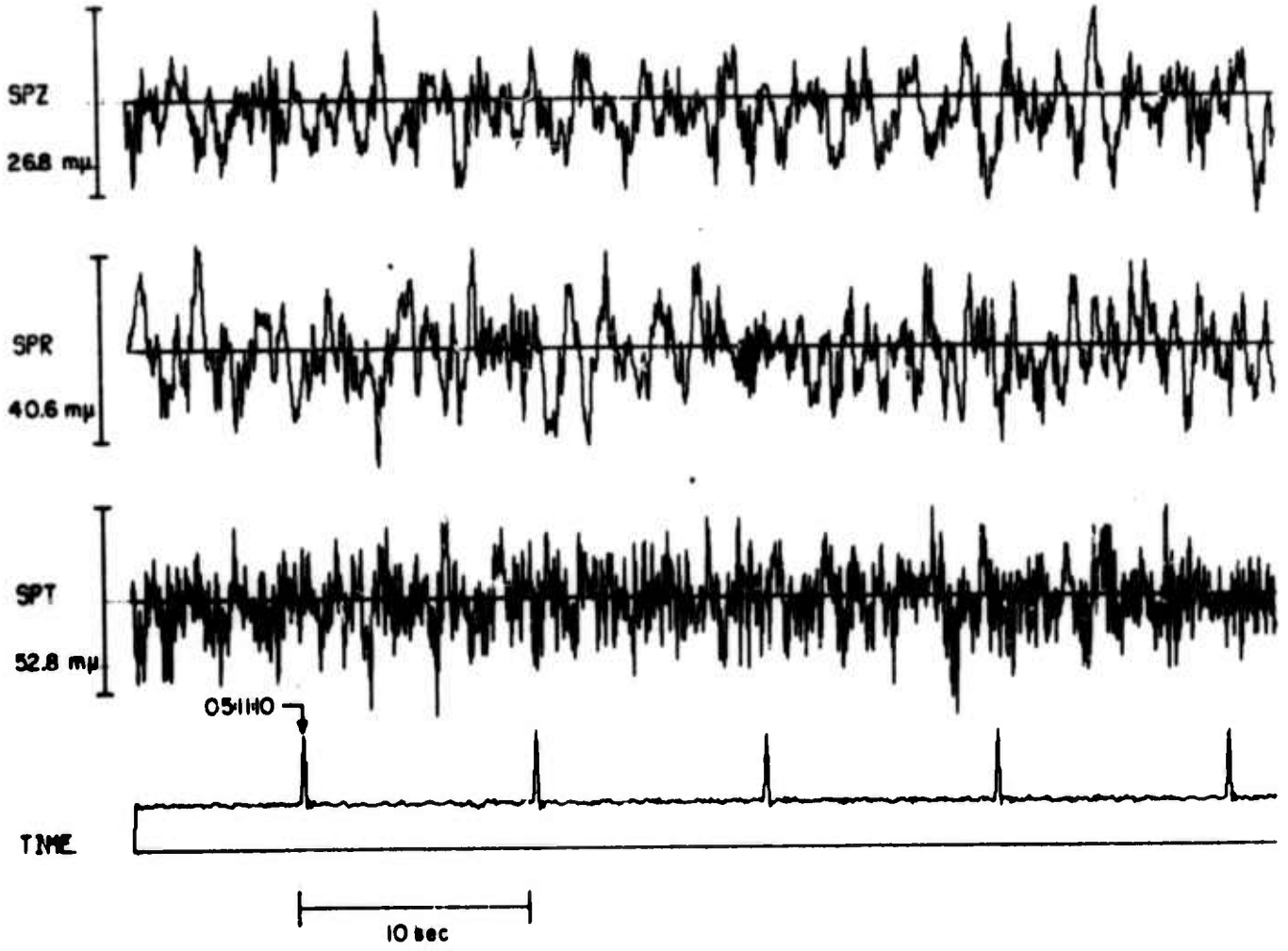
Sta.	Phase	Arrival Time	Inst.	Per	A/T	m_b	Est. Dist.
NAO	EP	05:05:22.4	AB	0.9	18.6	4.36	26.3
RK-ON	EP	05:11:51.3	SPZ	0.45	6.1	4.39	78.1
LAO	EP	05:12:28.8	AB	0.8	6.5	4.51	85.0

Average m_b = 4.42 (3 Stations)

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14 00.0 N 147 44 36.0 W	457	None	31300
CPSO	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

HN-ME 25 APR 75



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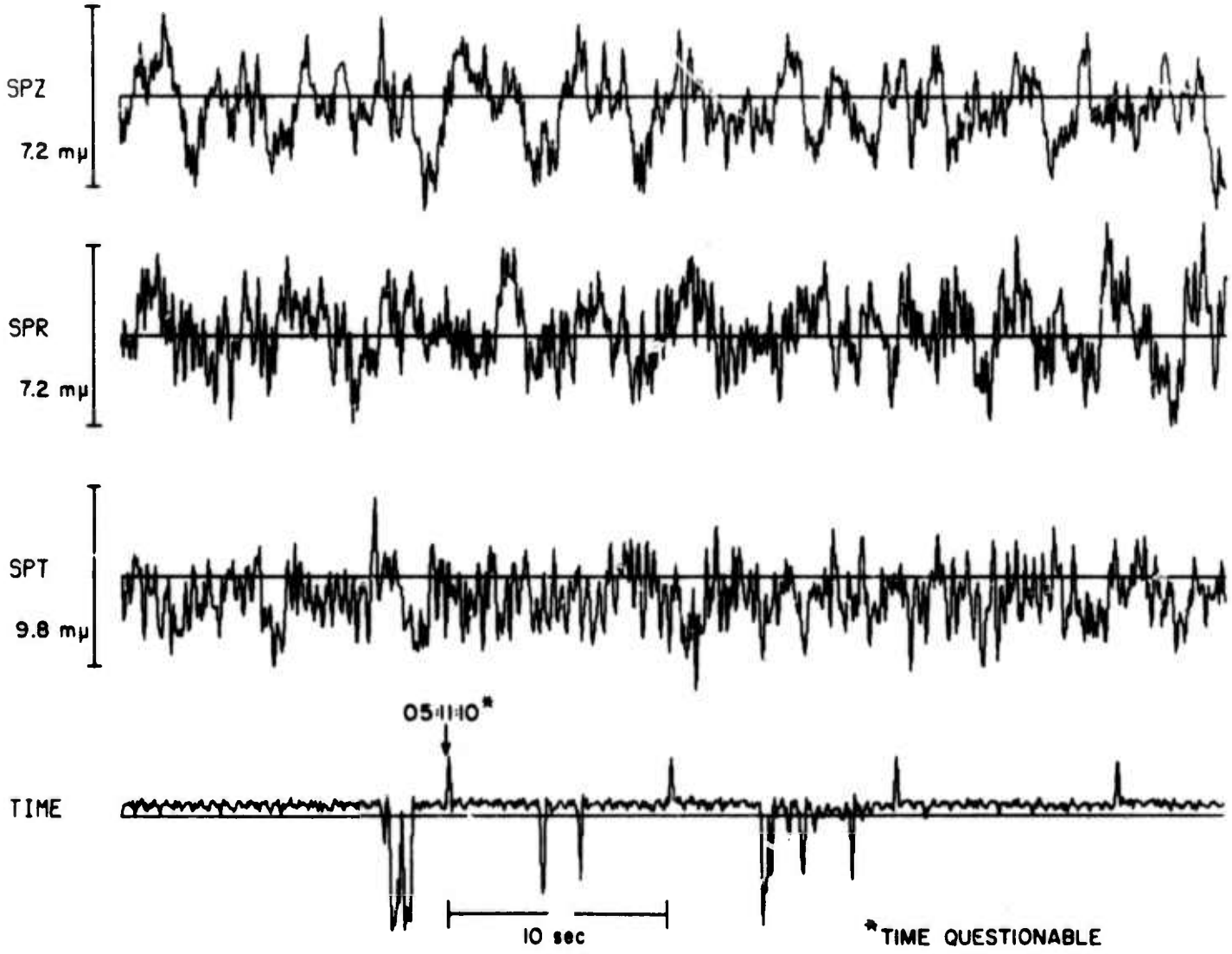

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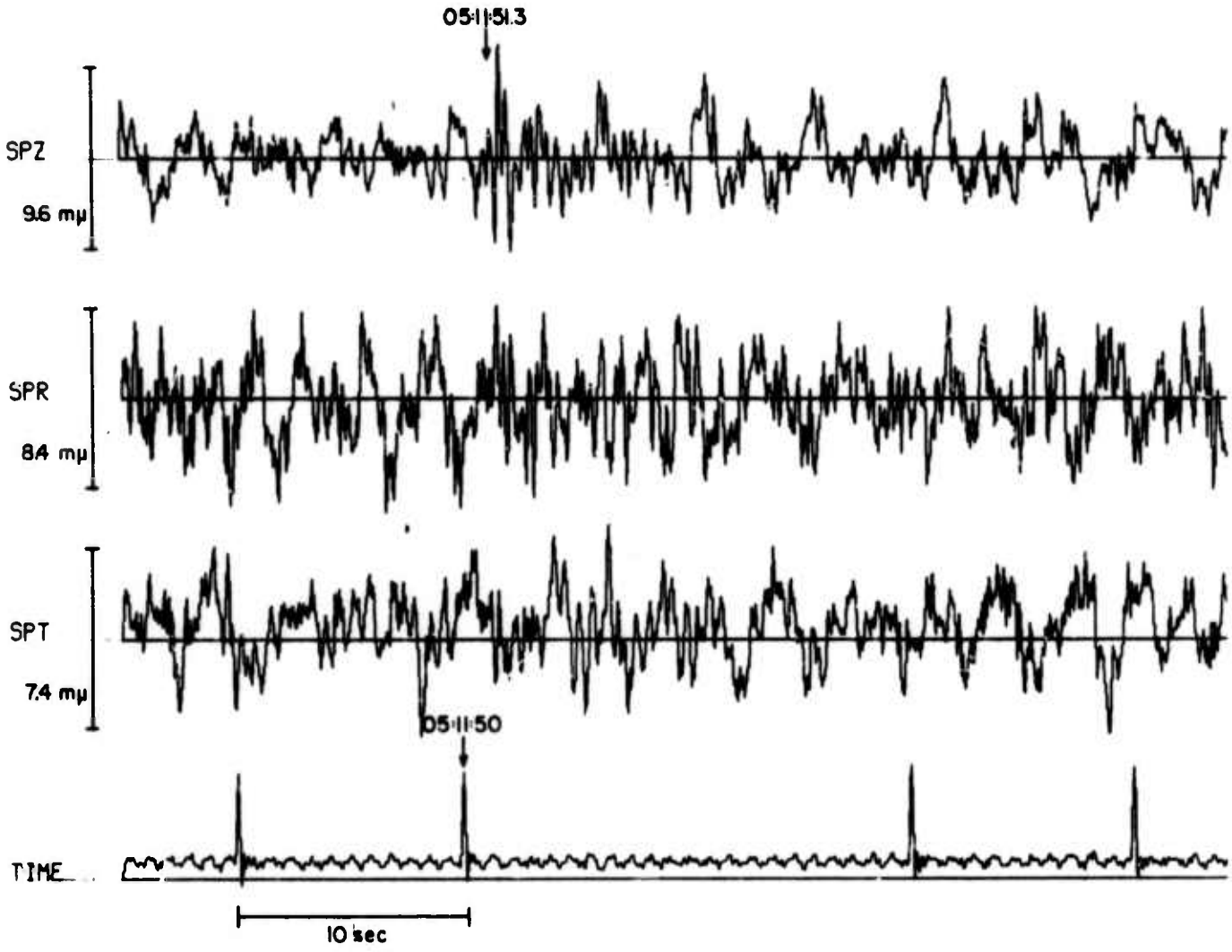

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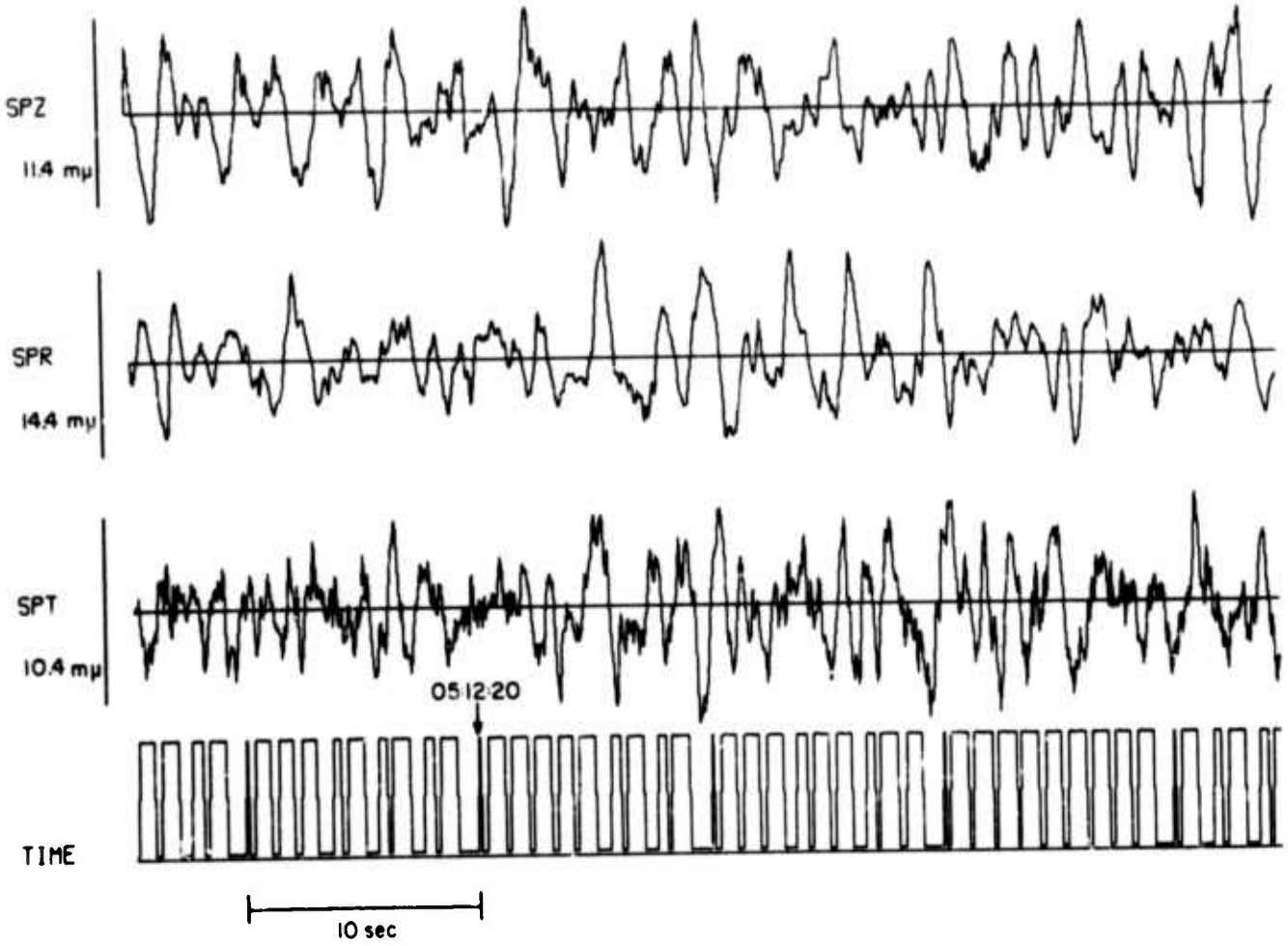

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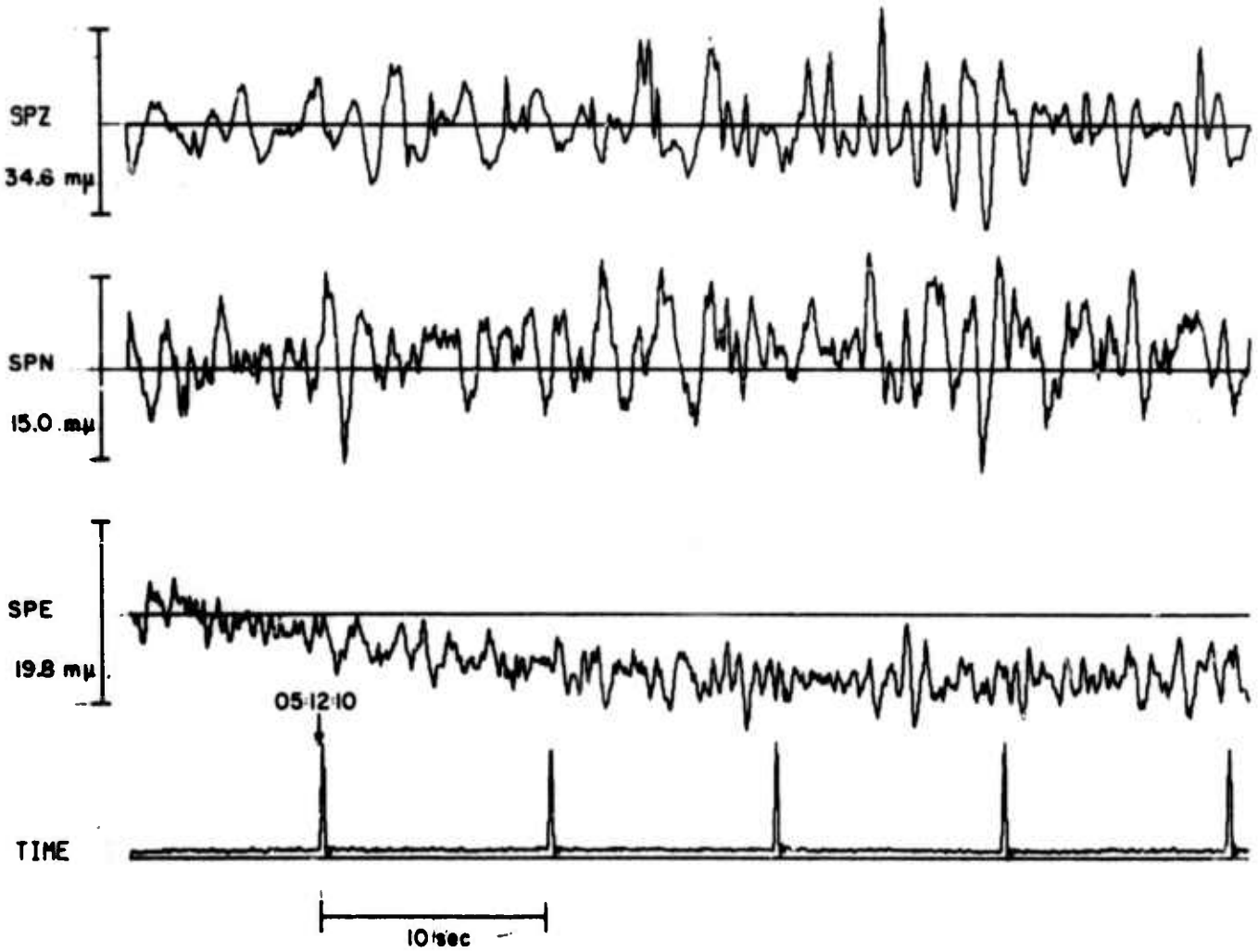

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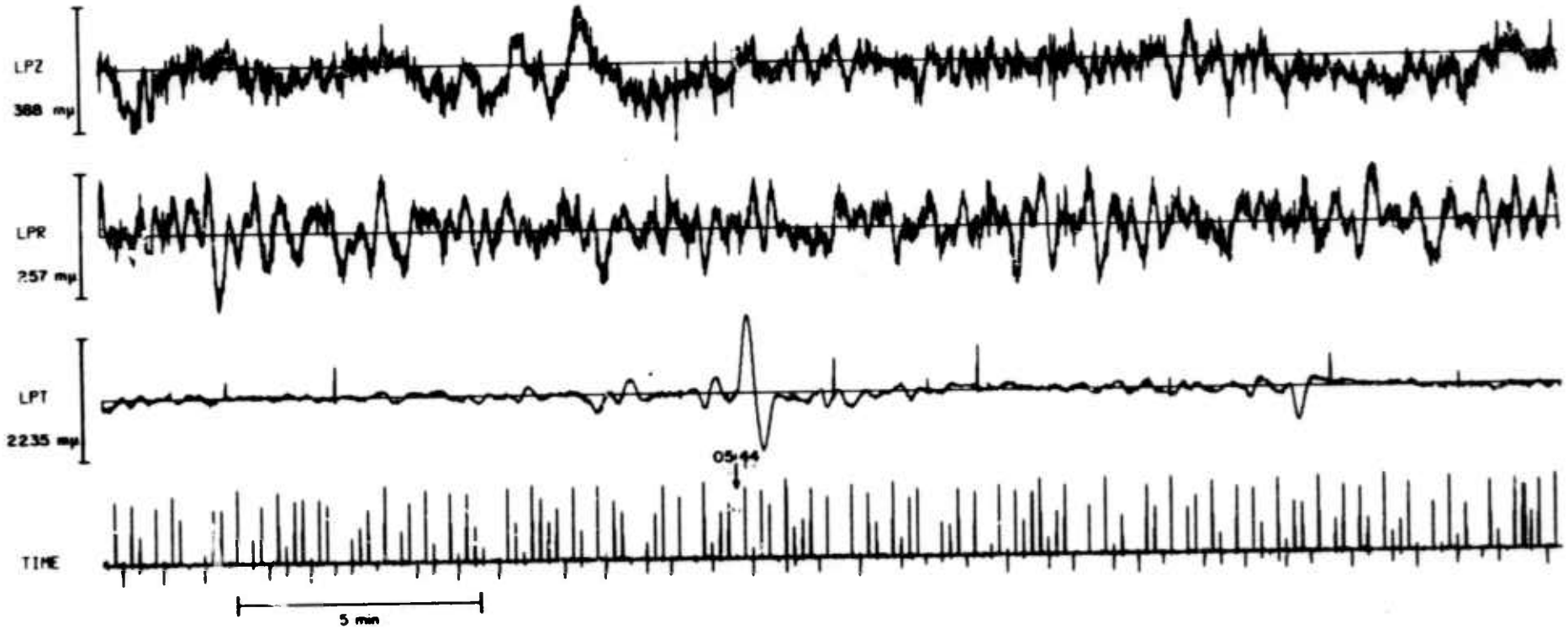

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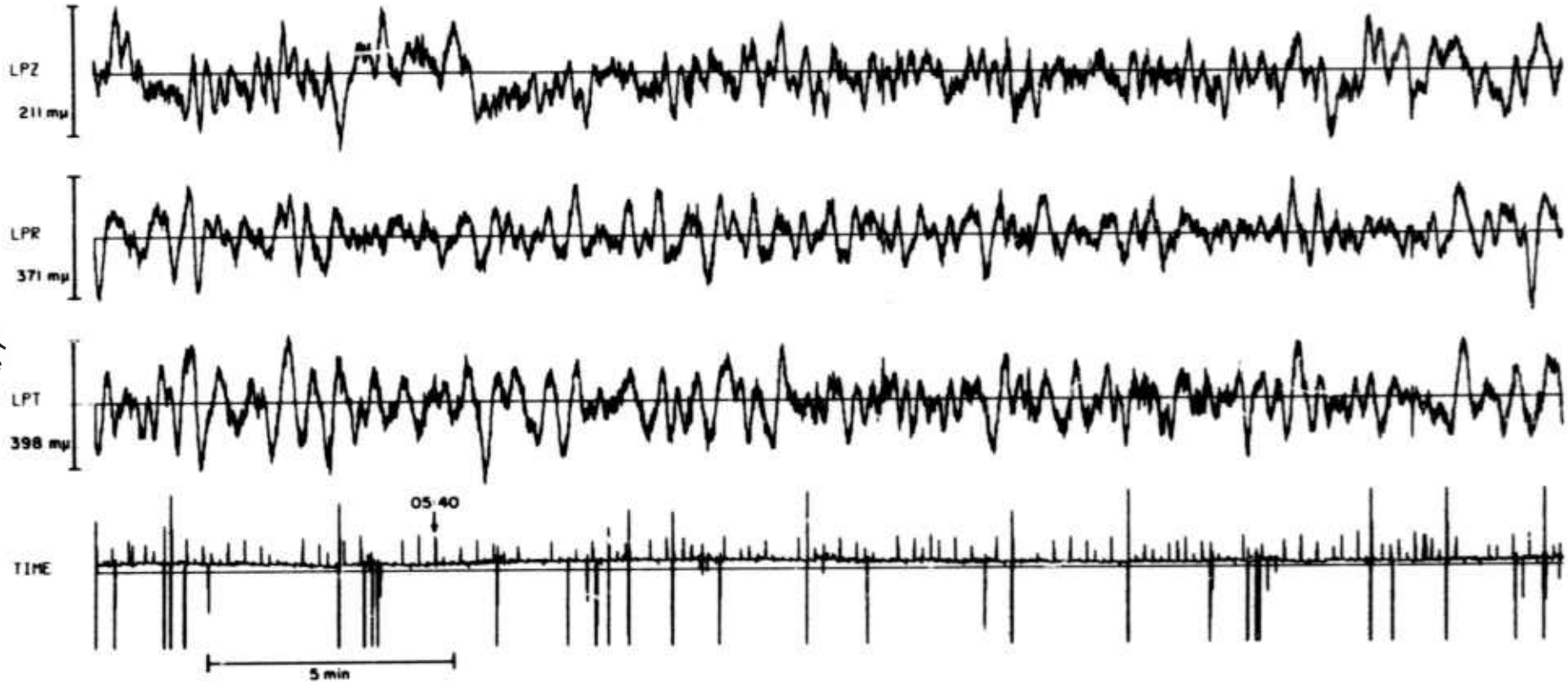

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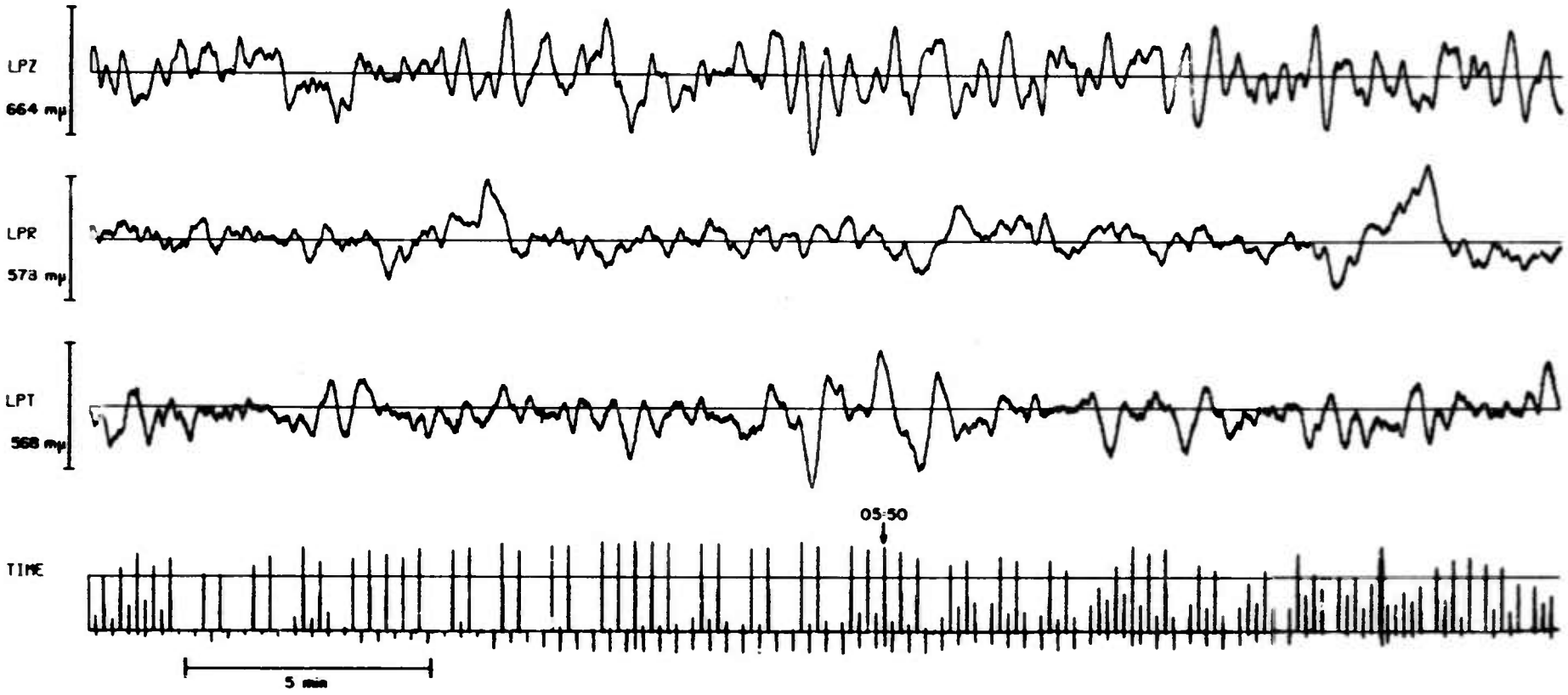

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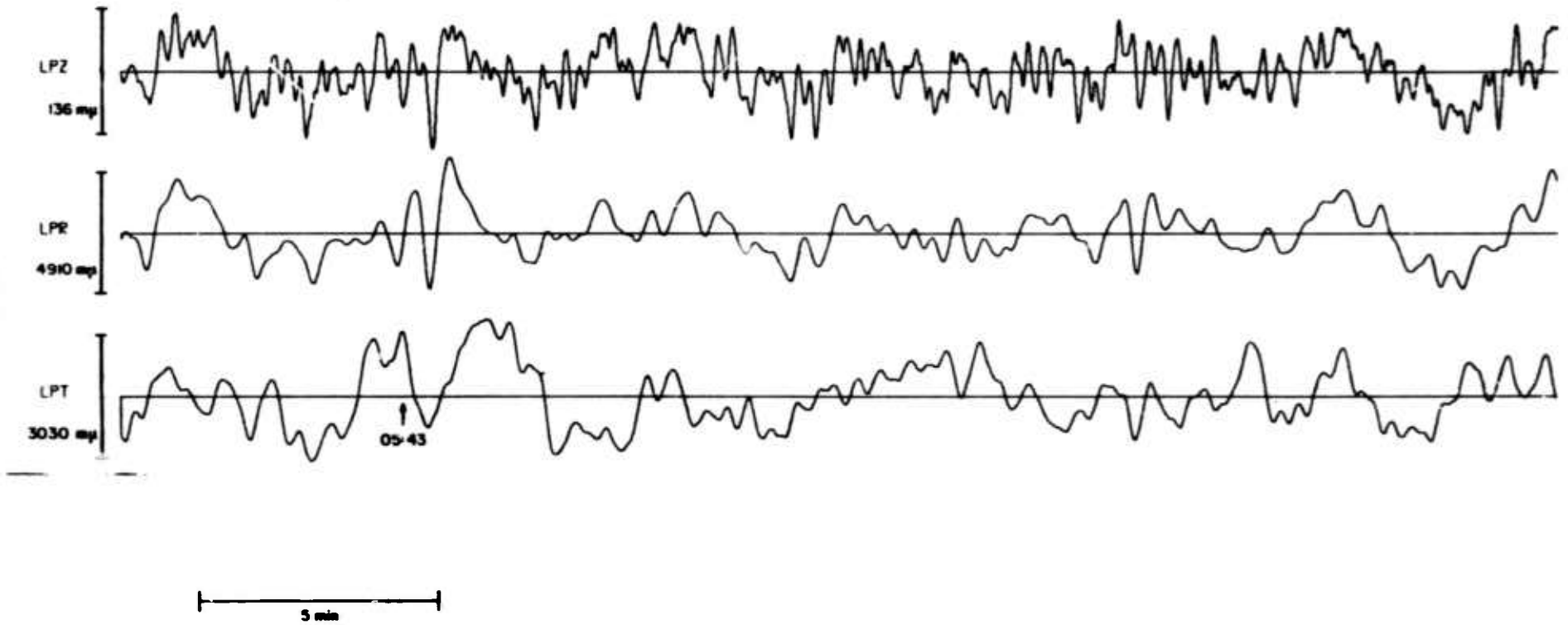

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